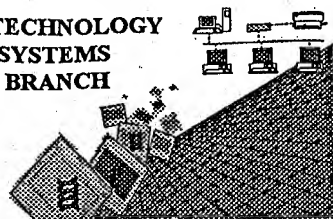


**RAW SEQUENCE LISTING**  
**ERROR REPORT**

BIOTECHNOLOGY  
SYSTEMS  
BRANCH



#10  
**RECEIVED**

MAR 22 2002

TECH CENTER 1600/2900

1634  
The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/616,284 A  
Source: 1600  
Date Processed by STIC: 3/13/02

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER** **VERSION 3.1 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

**<http://www.uspto.gov/web/offices/pac/checker>**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:  
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202  
Or  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002

RECEIVED

MAR 2 2 2002

TECH CENTER 1600/2900

1600

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 09/616,284A

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1      Wrapped Nucleics  
    Wrapped Aminos      The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor **after** creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2      Invalid Line Length      The rules require that a line **not** exceed 72 characters in length. This includes white spaces.
- 3      Misaligned Amino  
    Numbering      The numbering under each 5<sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4      Non-ASCII      The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5      Variable Length      Sequence(s)          contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6      PatentIn 2.0  
    "bug"      A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s)         . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7      Skipped Sequences  
    (OLD RULES)      Sequence(s)          missing. If intentional, please insert the following lines for each skipped sequence:  
    (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
    (i)      SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  
    (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
    This sequence is intentionally skipped  
  
    Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8      Skipped Sequences  
    (NEW RULES)      Sequence(s)          missing. If intentional, please insert the following lines for each skipped sequence.  
    <210> sequence id number  
    <400> sequence id number  
    000
- 9      Use of n's or Xaa's  
    (NEW RULES)      Use of n's and/or Xaa's have been detected in the Sequence Listing.  
    Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.  
    In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10      Invalid <213>  
    Response      Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11      ✓ Use of <220>      Sequence(s)          missing the <220> "Feature" and associated numeric identifiers and responses.  
    Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.  
    (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12      PatentIn 2.0  
    "bug"      Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13      Misuse of n      n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.



Does Not Comply  
Corrected Diskette Needed

1600

## RAW SEQUENCE LISTING

DATE: 03/13/2002

PATENT APPLICATION: US/09/616,284A

TIME: 11:44:42

Input Set : A:\NEX77CP2.txt

Output Set: N:\CRF3\03132002\I616284A.raw

3 <110> APPLICANT: Gold, Larry  
 4 Zichi, Dominic A.  
 5 Jenison, Robert D.  
 6 Schneider, Daniel J.  
 8 <120> TITLE OF INVENTION: Method and Apparatus for the Automated Generation of  
 9 Nucleic Acid Ligands  
 11 <130> FILE REFERENCE: NEX77/CIP2  
 13 <140> CURRENT APPLICATION NUMBER: 09/616,284A  
 14 <141> CURRENT FILING DATE: 2000-07-14  
 16 <150> PRIOR APPLICATION NUMBER: 09/356,233  
 17 <151> PRIOR FILING DATE: 1999-07-16  
 19 <150> PRIOR APPLICATION NUMBER: 09/232,946  
 20 <151> PRIOR FILING DATE: 1999-01-19  
 22 <150> PRIOR APPLICATION NUMBER: 08/792,075  
 23 <151> PRIOR FILING DATE: 1997-01-31  
 25 <150> PRIOR APPLICATION NUMBER: 09/143,190  
 26 <151> PRIOR FILING DATE: 1998-08-27  
 28 <150> PRIOR APPLICATION NUMBER: 08/469,609  
 29 <151> PRIOR FILING DATE: 1995-06-06  
 31 <150> PRIOR APPLICATION NUMBER: 07/714,131  
 32 <151> PRIOR FILING DATE: 1991-06-10  
 34 <150> PRIOR APPLICATION NUMBER: 07/536,428  
 35 <151> PRIOR FILING DATE: 1990-06-11  
 37 <160> NUMBER OF SEQ ID NOS: 5  
 39 <170> SOFTWARE: PatentIn Ver. 2.0  
 41 <210> SEQ ID NO: 1  
 42 <211> LENGTH: 43  
 43 <212> TYPE: DNA  
 44 <213> ORGANISM: Artificial Sequence  
 46 <220> FEATURE:  
 47 <221> NAME/KEY: modified\_base  
 48 <222> LOCATION: (1)..(43)  
 49 <223> OTHER INFORMATION: T at position 10 is substituted with DABCYL- (CH2)  
 50 6-; G at position 1 is substituted with 6-FAM.  
 52 <400> SEQUENCE: 1  
 53 gagcgaagct ctaatagcgc tcactatagg gaggacgatg cgg  
 55 <210> SEQ ID NO: 2  
 56 <211> LENGTH: 51  
 57 <212> TYPE: DNA  
 58 <213> ORGANISM: Artificial Sequence  
 60 <220> FEATURE:  
 61 <221> NAME/KEY: modified\_base  
 62 <222> LOCATION: (1)..(51)

must give genetic source  
 See error summary sheet, item 11

43

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/616,284A

DATE: 03/13/2002

TIME: 11:44:42

Input Set : A:\NEX77CP2.txt

Output Set: N:\CRF3\03132002\I616284A.raw

```

63 <223> OTHER INFORMATION: T at position 10 is substituted with DABCYL- (CH2)
64      6-; G at position 1 is substituted with 6-FAM.
66 <220> FEATURE:
67 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
68      Sequence
70 <400> SEQUENCE: 2
71 gagcgaagct ctaatacgac tcactatagg gagacaagaa taaacgctca a          51
73 <210> SEQ ID NO: 3
74 <211> LENGTH: 61
75 <212> TYPE: DNA
76 <213> ORGANISM: Artificial Sequence
78 <220> FEATURE:
79 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
80      Sequence
82 <220> FEATURE:
83 <221> NAME/KEY: modified_base
84 <222> LOCATION: (1)..(61)
85 <223> OTHER INFORMATION: N at positions 16-45 is A, G, C or T.
87 <400> SEQUENCE: 3
W--> 88 gggaggacga tgcggnnnnn nnnnnnnnnn nnnnnnnnnn nnnnncagac gacgagcggg 60
89 a                                          61
91 <210> SEQ ID NO: 4
92 <211> LENGTH: 23
93 <212> TYPE: DNA
94 <213> ORGANISM: Artificial Sequence
96 <220> FEATURE:
97 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
98      Sequence
100 <400> SEQUENCE: 4
101 atatatatgg gaggacgatg cgg          23
103 <210> SEQ ID NO: 5
104 <211> LENGTH: 24
105 <212> TYPE: DNA
106 <213> ORGANISM: Artificial Sequence
108 <220> FEATURE:
109 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
110      Sequence
112 <400> SEQUENCE: 5
113 ttttttttc ccgctcgtcg tctg          24

```

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/616,284A

DATE: 03/13/2002

TIME: 11:44:43

Input Set : A:\NEX77CP2.txt

Output Set: N:\CRF3\03132002\I616284A.raw

L:88 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3